# BRUHAT BANGALORE MAHANAGARA PALIKE

Bill - **ABSTRACT**

**Name of work: Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura.**

**Est cost: 25.00 lakhs**

# BRUHAT BANGALORE MAHANAGARA PALIKE

## KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

| | |
|---|---|
| Name of work | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. |
| Job code | 007-20-000088 |
| P-code | 1771 |
| Agency | Sri.Vishnu .M.Gowda |
| First and final bill | |

| Sl NO | Description | unit | Qty | RATE | AMOUNT |
|---|---|---|---|---|---|
| 1 | Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. | | | | |
| | Name of work | cum | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page no - 162 | | 310.69 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 310.69 | | 31069.00 |
| | BOQ Qty | | 312.00 | | |
| | Qty for payment | | 310.69 | 100.00 | 31068.50 |
| | | | | | |
| 2 | Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications | | | | |
| | Name of work | cum | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page no: 3. | | 115.50 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 115.50 | | |
| | BOQ Qty | | 115.50 | | |
| | Qty for payment | | 115.50 | 3500.00 | 404250.00 |
| | | | | | |

Arshad. N.D.
AE(WO)

Assistant Engineer
Kodigehalli Sub Division
BBMP, Bangalore

(Contractor)

| | | | | | |
|---|---|---|---|---|---|
| 4 | Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications | | | | |
| | Name of work | TONNE | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page - 4 | | 2.95 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 2.95 | | |
| | BOQ Qty | | 2.95 | | |
| | Qty for payment | | 2.95 | 65000.00 | 191750.00 |
| | | | | | |
| 5 | Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge | | | | |
| | Name of work | Sqm | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page - 5 | | 690.60 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 690.60 | | |
| | BOQ Qty | | 816.00 | | |
| | Qty for payment | | 690.60 | 350.00 | 241710.00 |
| | | | | | |
| 3 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. | | | | |
| | Name of work | cum | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page no. 6 | | 53.55 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 53.55 | | |
| | BOQ Qty | | 53.55 | | |
| | Qty for payment | | 53.55 | 5000.00 | 267750.00 |

Ashwathappa N.D.
AE(Ist)

(Contractor)



Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | |
|---|---|---|---|---|---|
| 6 | Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications | | | | |
| | Name of work | Sqm | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page no. 7 | | 91.80 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 91.80 | | |
| | BOQ Qty | | 91.80 | | |
| | Qty for payment | | 91.80 | 1700.00 | 156060.00 |
| 7 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) | | | | |
| | Name of work | cum | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page no. 8 | | 68.00 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 68.00 | | |
| | BOQ Qty | | 68.00 | | |
| | Qty for payment | | 68.00 | 6500.00 | 442000.00 |

AE(W1)

(Contractor)

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | |
|---|---|---|---|---|---|
| 8 | Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift. | | | | |
| | Name of work | sqm | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Page no. 9 | | ~~680.00~~ 0 | NDP DE(W) | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 680.00 | | |
| | BOQ Qty | | 680.00 | | |
| | Qty for payment | | 680.00 | 100.00 | ~~68000.00~~ 0 NDP DE(W) Nil |
| 9 | Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH | | | | |
| | Name of work | cum | | | |
| | Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. | | | | |
| | Present Qty Item no. 1 Page no-9. | | 310.69 | | |
| | Previous Qty | | 0.00 | | |
| | Total Qty | | 310.69 | | |
| | BOQ Qty | | 312.00 | | 31069.00 |
| | Qty for payment | | 310.69 | 100.00 | 31068.50 |
| | | | TOTAL | | 1833657.00 |

S total 17,65,658.00
GST 12% 2,11,878.96
Total: 19,77,536.96
Round off. 19,77,000/-

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Kodigehalli Sub division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of work: Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura.**
**Est cost: 25.00 lakhs**

PRE- measurement

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BRUHAT BANGALORE MAHANAGARA PALIKE | | | | | | | | |
| KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA | | | | | | | | |
| Agency | | Sri.Vishnu M.Gowda | | | | | | |
| Name of work: Improvements to roads and Drains in Amruthalli & surrounding areas in ward no.07 Byataranapura. Work order Amount:-1877810.00 | | | | | | | | |
| Sl NO | Description of work | ch | No | L | B | D | QTY | |
| 1 | Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. | | | | | | | |
| | RCC Drain | | | | | | | |
| | Byatarayanapura-near Premamma house | 0-30 | 1 | 30 | 0.9 | 0.9 | 24.30 | |
| | | 30-43 | 1 | 13 | 0.9 | 0.9 | 10.53 | |
| | | | | | | | | |
| | Chikka siddappa layout | 0-30 | 1 | 30 | 0.65 | 0.9 | 17.55 | |
| | | 30-40 | 1 | 10 | 0.65 | 0.9 | 5.85 | |
| | (avg width= 0.70,0.95,1.10) | 40-53 | 1 | 13 | 0.7 | 1.2 | 10.92 | |
| | Yogeshwar nagara | | | | | | | |
| | 12th cross | 0-24 | 2 | 24 | 0.8 | 0.75 | 28.80 | |
| | 11th cross | 0-36 | 2 | 36 | 0.8 | 0.75 | 43.20 | |
| | | | | | | | 141.15 | |

NDR 20/5/21 AE

C4 fe

20/5/21

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Engineer

Page 1

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **CC pavement** | | | | | | |
| | **Chikka siddappa layout** | | | | | | |
| | **(Avg width= 4.5,3.75)** | 0-15 | 1 | 15 | 4.12 | 0.3 | 18.54 |
| | | 15-30 | 1 | 15 | 2.90 | 0.3 | 13.05 |
| | | 30-45 | 1 | 15 | 2.90 | 0.3 | 13.05 |
| | | 45-60 | 1 | 15 | 3.10 | 0.3 | 13.95 |
| | | 60-77 | 1 | 17 | 3.30 | 0.3 | 16.83 |
| | | | | | | | |
| | **1st cross sneha nagara to khasinagara** | | | | | | |
| | | 0-31 | 1 | 31 | 2.2 | 0.3 | 20.46 |
| | | 31-54 | 1 | 23 | 2.2 | 0.3 | 15.18 |
| | | | | | | | |
| | **Yogeshawaranagara** | | | | | | |
| | **12th cross** | 0-24 | 1 | 24.00 | 4.00 | 0.10 | 9.60 |
| | **11th cross** | 0-30 | 1 | 30.00 | 4.80 | 0.10 | 14.40 |
| | | 30-36 | 1 | 6.00 | 5.10 | 0.10 | 3.06 |
| | **10th cross** | | 1 | 12.00 | 4.00 | 0.10 | 4.80 |
| | | | | | | | **142.92** |
| | **Over burden earth** | | 1 | 15 | 1.5 | 0.9 | 20.25 |
| | | | 1 | 7 | 2.1 | 0.7 | 10.29 |
| | | | | | | | **30.54** |
| | **Deductions for manholes** | | | | | | |
| | **Chikka siddappa layout** | | 5 | 0.785 | | 1 | 3.93 |
| | | | | | | | |
| | | | | | **cum** | | **310.69** |

C.A.R.

21/5/21

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

NDP
AE(L.T)
21/5/21



Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

N.D

(Contractor)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications | | | | | | | |
| | RCC Drain | | | | | | | |
| | Byatarayanapura-near Premamma house | 0-30 | 1 | 30.0 | 0.9 | 0.15 | 4.05 | |
| | | 30-43 | 1 | 13.0 | 0.9 | 0.15 | 1.76 | |
| | | | | | | | | |
| | Chikka siddappa layout | 0-30 | 1 | 30.0 | 0.9 | 0.15 | 4.05 | |
| | | 30-40 | 1 | 10.0 | 0.9 | 0.15 | 1.35 | |
| | | 40-53 | 1 | 13.0 | 0.9 | 0.15 | 1.76 | |
| | Yogeshwar nagara | | | | | | | |
| | 12th cross | 0-24 | 2 | 24.0 | 0.8 | 0.15 | 5.76 | |
| | 11th cross | 0-36 | 2 | 36.0 | 0.8 | 0.15 | 8.64 | NDP |
| | | | | | | | 27.36 | 01/6/21 |
| | | | | | | | | |
| | CC pavement | | | | | | | |
| | Chikka siddappa layout | | | | | | | |
| | (Avg width= 4.5,3.75) | 0-15 | 1 | 15.00 | 4.12 | 0.15 | 9.27 | |
| | | 15-30 | 1 | 15.00 | 2.90 | 0.15 | 6.53 | |
| | | 30-45 | 1 | 15.00 | 2.90 | 0.15 | 6.53 | |
| | | 45-60 | 1 | 15.00 | 3.10 | 0.15 | 6.98 | |
| | | 60-77 | 1 | 17.00 | 3.30 | 0.15 | 8.42 | |
| | | | | | | | | |
| | 1st cross sneha nagara to khasinagara | | | | | | | |
| | | 0-31 | 1 | 31.00 | 2.20 | 0.15 | 10.23 | |
| | | 31-54 | 1 | 23.00 | 2.20 | 0.15 | 7.59 | |
| | | | | | | | | |
| | Yogeshawaranagara | | | | | | | |
| | 12th cross | 0-24 | 1 | 24.00 | 4.00 | 0.15 | 14.40 | |
| | 11th cross | 0-30 | 1 | 30.00 | 4.80 | 0.15 | 21.60 | |
| | | 30-36 | 1 | 6.00 | 5.10 | 0.15 | 4.59 | |
| | 10TH Cross | | 1 | 12.00 | 4.00 | 0.15 | 7.20 | |
| | | | | | | | 103.32 | |
| | Deductions for manholes | | 5 | 0.785 | | 0.15 | 0.59 | NDP |
| | | | | | cum | | 130.09 | 02/6/21 |
| | | | | | Qty Ltd to | | 115.50 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

C & R
2/6/21

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Engineer



Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | **Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications** | | | | | | | |
| | | tonne | | L | no of rods | le of u bar | Total length | |
| | **LHS** | | | | | | **10mm** | 8mm |
| | Main rod | 0-30 | 1 | 30 | 335 | 1.8 | 603 | |
| | distribution | | 1 | 30 | 7 | 30 | | 210 |
| | | | | | | | | |
| | Main rod | 30-43 | 1 | 13 | 145 | 1.8 | 261 | |
| | distribution | | 1 | 13 | 7 | 13 | | 91 |
| | | | | | | | | |
| | Main rod | 0-30 | 1 | 30 | 335 | 1.8 | 603 | |
| | distribution | | 1 | 15 | 7 | 15 | | 105 |
| | | | | | | | | |
| | Main rod | 30-40 | 1 | 10 | 115 | 1.5 | 172.5 | |
| | distribution | | 1 | 13 | 7 | 13 | | 91 |
| | | | | | | | | |
| | Main rod | 40-53 | 1 | 13 | 150 | 2 | 300 | |
| | distribution | | 1 | 30 | 7 | 30 | | 210 |
| | | | | | | | | |
| | Main rod | 0-24 | 1*2 | 30 | 335 | 1.8 | 1206 | |
| | distribution | | 1*2 | 30 | 7 | 30 | | 420 |
| | | | | | | | | |
| | Main rod | 0-36 | 1*2 | 30 | 335 | 1.8 | 1206 | |
| | distribution | | 1*2 | 30 | 7 | 30 | | 420 |
| | | | | | | | | |
| | covering slabs | | | | | | | |
| | 10mm dia at 0.15c/c | | 70 | 5 | 0.75 | | 262.5 | |
| | | | 70 | 4 | 0.6 | | 168 | |
| | | | | | | | **4782** | **1547** |
| | | | | | | | 0.62 kg/cun | 0.39kg/cum |
| | | | | | | | 2964.84 | 603.33 |
| | | | | | | | **3568.17** | **2.95** |
| | | | | | | | 3.56 | |

CA ✓
2/6/21

Total: NDP AE (2/6/21)

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge | | | | | | | |
| | | sqm | | | | | | |
| | RCC DRAIN | | | | | | | |
| | Byatarayanapura-near Premamma house | | | | | | | |
| | | 0-30 | 4 | 30.00 | | 0.60 | 72.00 | |
| | | 30-43 | 4 | 13.00 | | 0.60 | 31.20 | |
| | Chikka siddappa layout | | | | | | | |
| | | 0-30 | 4 | 30.00 | | 0.60 | 72.00 | |
| | | 30-40 | 4 | 10.00 | | 0.60 | 24.00 | |
| | | 40-53 | 4 | 13.00 | | 0.60 | 31.20 | |
| | | | | | | | | |
| | Yogeshwar nagara | | | | | | | |
| | 12th cross | 0-24 | 8 | 24.00 | | 0.60 | 115.20 | |
| | 11th cross | 0-36 | 8 | 36.00 | | 0.60 | 172.80 | |
| | | | | | | | 518.40 | NDP DE(LA) 5/6/21 |
| | | | | | | | | |
| | CC pavement | | | | | | | |
| | Chikka siddappa layout | | | | | | | |
| | | 0-15 | 2.00 | 15.00 | | 0.30 | 9.00 | |
| | | 15-30 | 2.00 | 15.00 | | 0.30 | 9.00 | |
| | | 30-45 | 2.00 | 15.00 | | 0.30 | 9.00 | |
| | | 45-60 | 2.00 | 15.00 | | 0.30 | 9.00 | |
| | | 60-77 | 2.00 | 17.00 | | 0.30 | 10.20 | |
| | 1st cross sneha nagara to khasinagara | | | | | | | |
| | | 0-31 | 2.00 | 31.00 | | 0.30 | 18.60 | |
| | | 31-54 | 2.00 | 23.00 | | 0.30 | 13.80 | |
| | Yogeshawaranagara | | | | | | | |
| | *12th cross* | *0-24* | *2.00* | *24.00* | | *0.30* | *14.40* | |
| | 11th cross | 0-30 | 2.00 | 30.00 | | 0.30 | 18.00 | |
| | | 30-36 | 2.00 | 6.00 | | 0.30 | 3.60 | |
| | | 0 | 2.00 | 12.00 | | 0.30 | 7.20 | |
| | covering slabs | | | | | | | |
| | Bottom surface | | 70 | 0.6 | 0.75 | | 31.50 | |
| | Sides | 1*2 | 70 | 0.6 | | 0.20 | 8.40 | |
| | | 1*2 | 70 | 0.75 | | 0.20 | 10.50 | |
| | | | | | | | 172.20 | NDP DE(LA) |
| | | | | | Sqm | | 690.60 | |

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

5/6/21

Assistant Engineer

Page 5

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | **Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications.** | | | | | | | |
| | **Byatarayanapura-near Premamma house** | | | | | | | |
| | **bottom** | 0-30 | 1 | 30.0 | 0.90 | 0.15 | 4.05 | |
| | | 30-43 | 1 | 13.0 | 0.90 | 0.15 | 1.76 | NDD 4/6/21 |
| | **Side wall** | | 2 | 30.0 | 0.15 | 0.90 | 8.10 | |
| | | | 2 | 13.0 | 0.15 | 0.90 | 3.51 | 9/6/21 |
| | | | | | | | | |
| | **Chikka siddappa layout** | 0-30 | 1 | 30.0 | 0.65 | 0.15 | 2.93 | |
| | | 30-40 | 1 | 10.0 | 0.65 | 0.15 | 0.98 | |
| | | 40-53 | 1 | 13.0 | 0.70 | 0.15 | 1.37 | NDD 4/6/21 |
| | **Side wall** | | 2 | 30.0 | 0.15 | 0.50 | 4.50 | |
| | | | 2 | 10.0 | 0.15 | 0.50 | 1.50 | |
| | | | 2 | 13.0 | 0.15 | 0.90 | 3.51 | 9/6/21 |
| | | | | | | | | |
| | **Yogeshwar nagara** | | | | | | | |
| | | 0-24 | 2 | 24.0 | 0.80 | 0.15 | 5.76 | |
| | | 0-36 | 2 | 36.0 | 0.80 | 0.15 | 8.64 | NDD 4/6/21 |
| | **Side wall** | | | | | | | |
| | | | 4 | 24.0 | 0.15 | 0.45 | 6.48 | |
| | | | 4 | 36.0 | 0.15 | 0.45 | 9.72 | 9/6/21 |
| | | | | | | | 62.79 | |
| | **Covering slabs** | | 66 | 0.6 | 0.75 | 0.2 | 5.94 | |
| | **Chikka siddappa layout** | | | | cum | | 68.73 | NDD 29/7/21 |
| | | | | | Qty Ltd to | | 53.55 | |

Assistant Engineer

Page 6

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | **Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications** | | | | | | |
| | Byatarayanapura-near Premamma house | | | | | | |
| | | 0-30 | 50 | 0.6 | 0.75 | | 22.50 |
| | | 30-43 | 21 | 0.6 | 0.75 | | 9.45 |
| | Yogeshwar nagara | | | | | | |
| | | 0-24 | 40 | 0.6 | 0.9 | | 21.60 |
| | | 0-36 | 60 | 0.6 | 0.9 | | 32.40 |
| | Vayunanandhan layout | | 13 | 0.6 | 0.75 | | 5.85 |
| | | | | | Total | | 91.80 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

C+R
29/7/21

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

N.D.P
DE(W)
29/7/21

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) | | | | | | | |
| | | cum | | | | | | |
| | Chikka siddappa layout | | | | | | | |
| | (Avg width= 4.5,3.75) | 0-15 | 1 | 15.00 | 4.12 | 0.10 | 6.18 | |
| | | 15-30 | 1 | 15.00 | 2.90 | 0.10 | 4.35 | |
| | | 30-45 | 1 | 15.00 | 2.90 | 0.10 | 4.35 | |
| | | 45-60 | 1 | 15.00 | 3.10 | 0.10 | 4.65 | |
| | | 60-77 | 1 | 17.00 | 3.30 | 0.10 | 5.61 | |
| | | | | | | | | |
| | 1st cross sneha nagara to khasinagara | | | | | | | |
| | | 0-31 | 1 | 31.00 | 2.20 | 0.10 | 6.82 | |
| | | 31-54 | 1 | 23.00 | 2.20 | 0.10 | 5.06 | |
| | | | | | | | | |
| | Yogeshwar nagara | | | | | | | |
| | 12th cross | 0-24 | 1 | 24 | 4 | 0.10 | 9.60 | |
| | 11th cross | 0-30 | 1 | 30 | 4.8 | 0.10 | 14.40 | |
| | | 30-36 | 1 | 6 | 5.1 | 0.10 | 3.06 | |
| | | 0 | 1 | 12 | 4 | 0.10 | 4.80 | |
| | | | | | cum | | 68.88 | |
| | | | | | Qty Ltd to | | 68.0 | |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 8 | Vaccum De-watering with vaccum pump and suction mat and compaction with 5ton floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift. | | | | | | | |
| | Chikka siddappa layout | | | | | | | |
| | (Avg width= 4.5,3.75) | 0-15 | 1 | 15 | 4.12 | | 61.80 | |
| | | 15-30 | 1 | 15 | 2.90 | | 43.50 | |
| | | 30-45 | 1 | 15 | 2.90 | | 43.50 | |
| | | 45-60 | 1 | 15 | 3.10 | | 46.50 | |
| | | 60-77 | 1 | 17 | 3.30 | | 56.10 | |
| | | | | | | | | |
| | 1st cross sneha nagara to khasinagara | | | | | | | |
| | | 0-31 | 1 | 31 | 2.20 | | 68.20 | |
| | | 31-54 | 1 | 23 | 2.20 | | 50.60 | |
| | | | | | | | | |
| | Yogeshwar nagara | | | | | | | |
| | | 0-24 | 1 | 24 | 4 | | 96.00 | |
| | | 0-30 | 1 | 30 | 4.8 | | 144.00 | |
| | | 30-36 | 1 | 6 | 5.1 | | 30.60 | |
| | | | 1 | 12 | 4 | | 48.00 | |
| | | | | | Sqm | | 688.80 | |
| | | | | | Qty Ltd to | | ~~680.00~~ 0.60 | NDR DE |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 9 | Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH | | | | | | | |
| | Qty vide item No.(1) | | Page no.1 | | | cum | 310.69 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | Assistant Engineer | Assistant Executive Engineer | | | | Executive Engineer | | |
| | Ward No.07 | Kodigehalli Sub division | | | | Byatarayanapura Division | | |
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